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The effect on fatty acid content of rotifer (*Brachionus plicatilis*) of supplemented of l-carnitine to AlgaMac 3050, Olio ω-3

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In this study, it was determined of the effect on fatty acid contents of rotifer (*Brachionus plicatilis*) of supplemented of L-carnitine to Algamac 3050, Olio ω-3. S. parkle was used as feed in mass culture of *B. plicatilis*. Rotifer was applied feeding combined of commercial products supplemented with L-carnitine; S. parkle, S. parkle + Olio ω-3, S. parkle + Olio ω-3 + L-carnitine, S. parkle + L-carnitine, S. parkle + Algamac 3050, S. parkle + Algamac 3050 + L-carnitine, S. parkle + Olio ω-3 + Algamac 3050, S. parkle + Olio ω-3 + Algamac 3050 + L-carnitine. Considerable differences were found in fatty acid composition of *B. plicatilis* fed with commercial enrichment diets. The highest EPA, DHA, PUFA were determined enriched with S. parkle + Olio ω-3 + L-carnitine, S. parkle + Algamac 3050 + L-carnitine, S. parkle + Olio ω-3 + Algamac 3050 + L-carnitine in rotifer, respectively at 6 hour. The enrichment duration was found significant ($P < 0,05$) effect of PUFA content of rotifers.

Biography

Sevgi Savaş has completed her PhD from Egean University and Post-doctoral studies from Aquaculture Department, Fisheries Faculty, Süleyman Demirel University. She is currently the Dean of Fisheries Faculty.

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